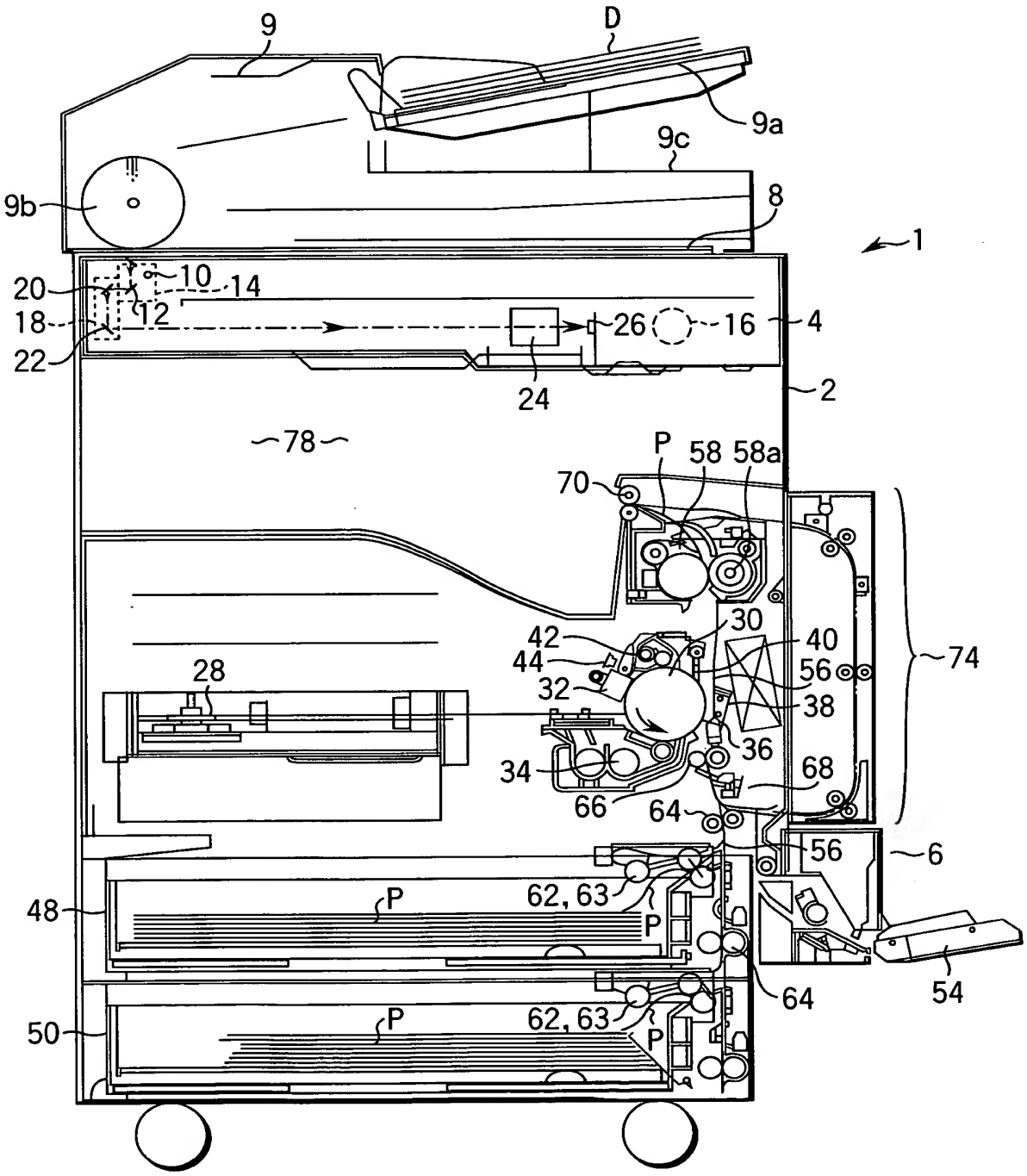

9
D
9a
9c
9b
8
1
20
10
14
18
12
26
16
4
22
24
2
78
P
58
58a
70
30
42
40
44
56
74
28
32
38
36
34
68
66
64
56
6
48
P
62, 63
P
64
54
50
P
62, 63
P

FIG. 1

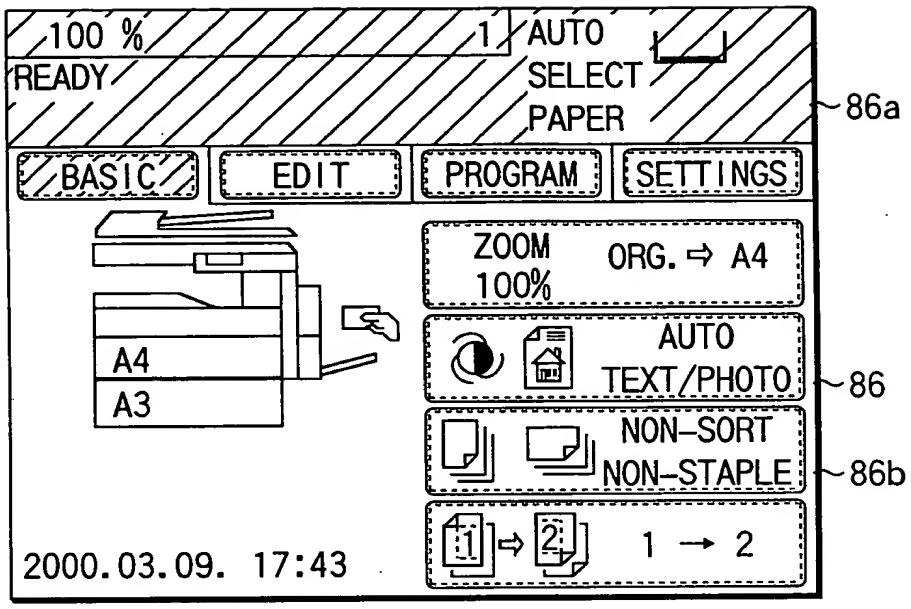

100 %
1
AUTO
SELECT
PAPER
READY
86a
BASIC
EDIT
PROGRAM
SETTINGS
ZOOM
100%
ORG. ⇨ A4
A4
A3
AUTO
TEXT/PHOTO
86
NON-SORT
NON-STAPLE
86b
1 → 2
2000.03.09. 17:43

FIG. 2

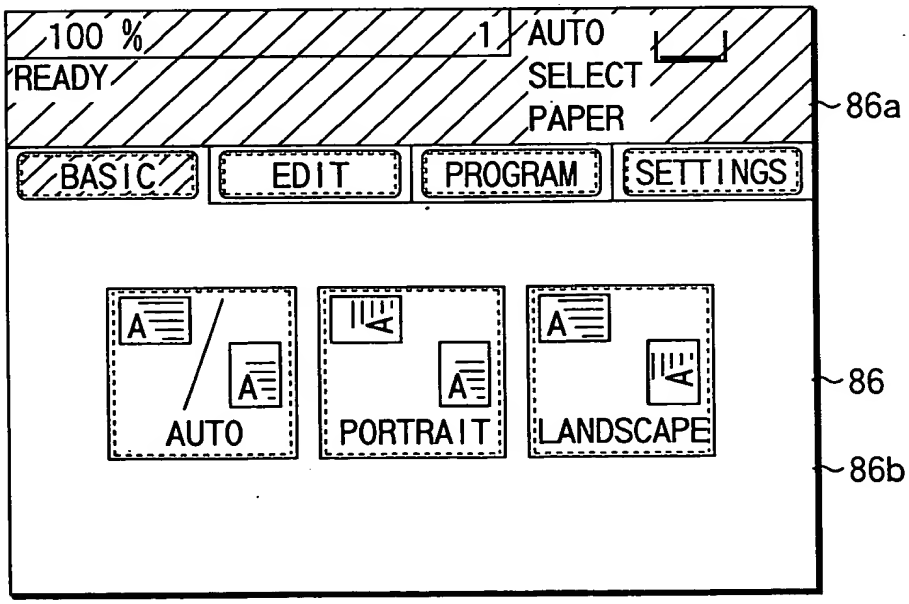

100 %
1
AUTO
SELECT
PAPER
READY
86a
BASIC
EDIT
PROGRAM
SETTINGS
AUTO
PORTRAIT
LANDSCAPE
86
86b

FIG. 3

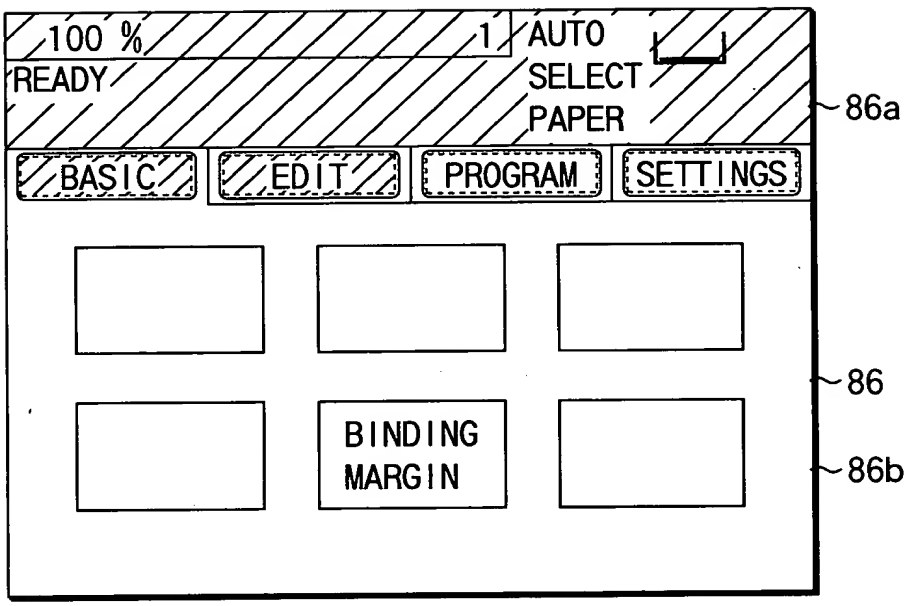

100 %
1
AUTO
READY
SELECT
PAPER
86a
BASIC
EDIT
PROGRAM
SETTINGS
86
BINDING
MARGIN
86b

FIG. 4

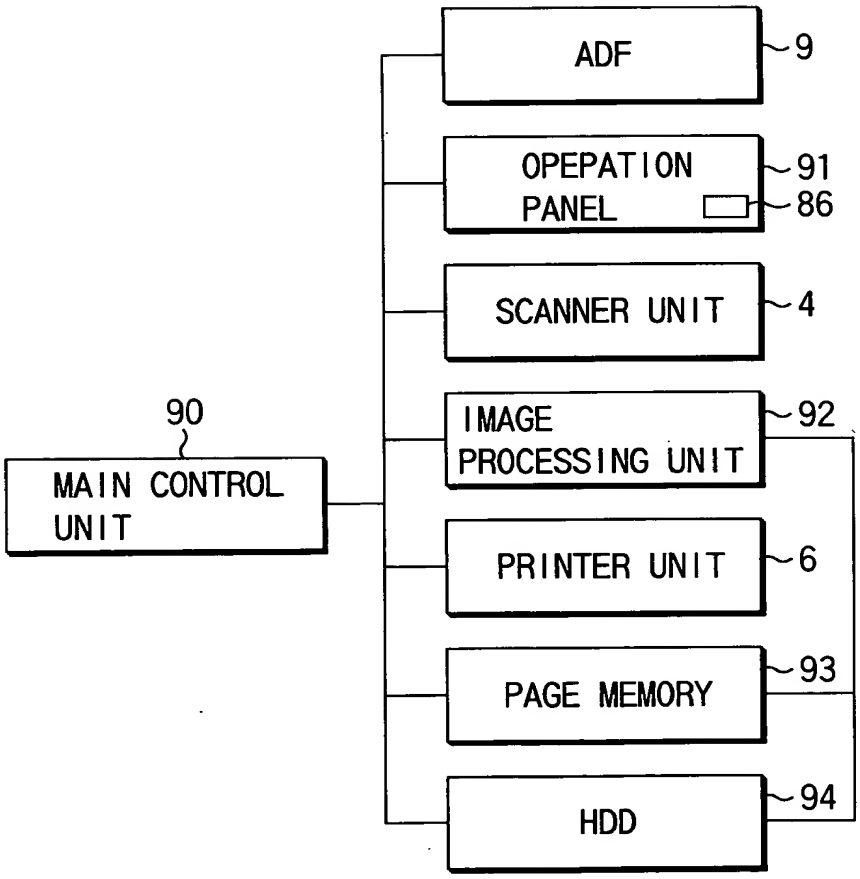

ADF
9
OPEPATION PANEL
91
86
SCANNER UNIT
4
90
MAIN CONTROL UNIT
IMAGE PROCESSING UNIT
92
PRINTER UNIT
6
PAGE MEMORY
93
HDD
94

FIG. 5

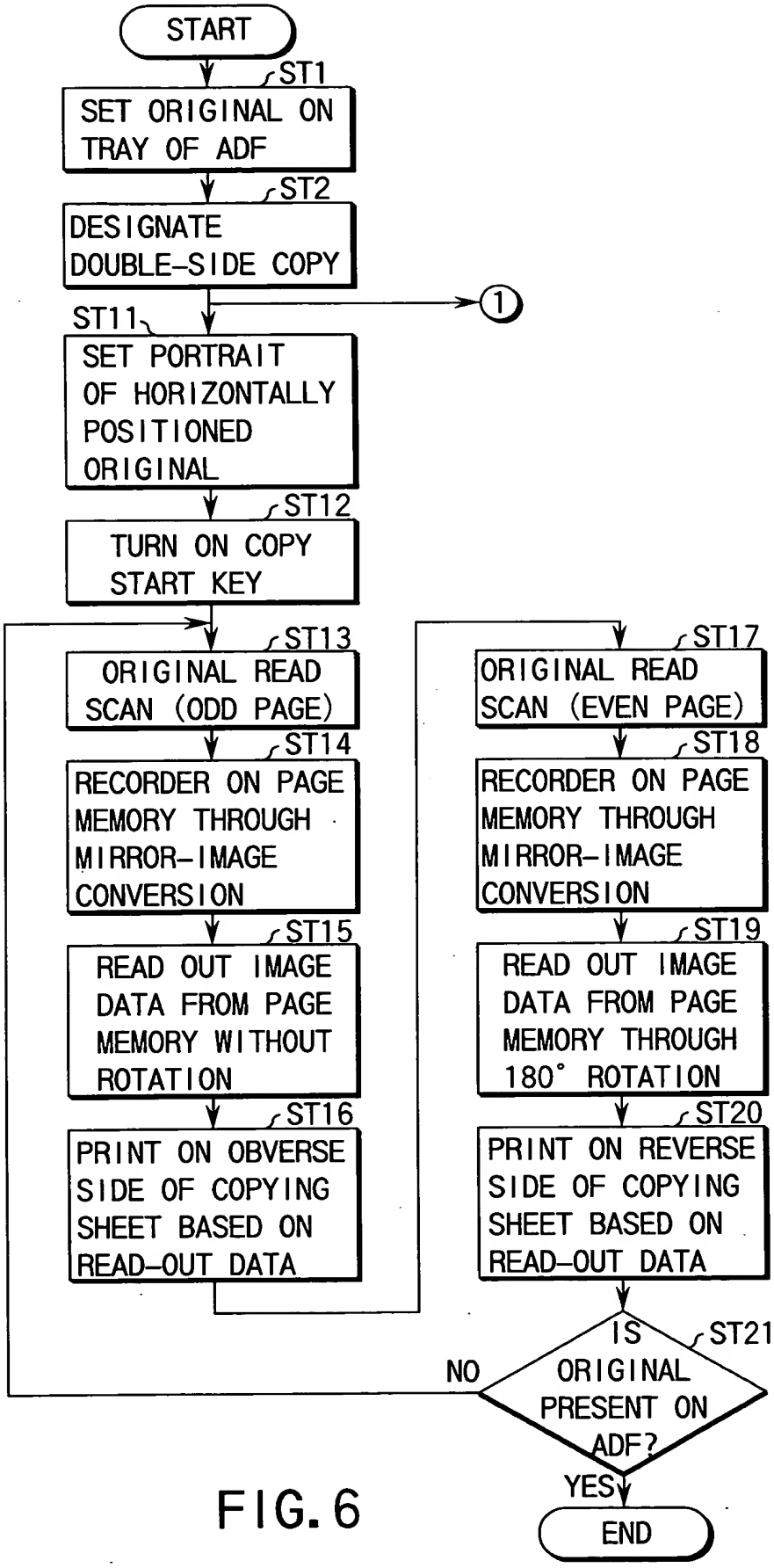

START
ST1
SET ORIGINAL ON TRAY OF ADF
ST2
DESIGNATE DOUBLE-SIDE COPY
1
ST11
SET PORTRAIT OF HORIZONTALLY POSITIONED ORIGINAL
ST12
TURN ON COPY START KEY
ST13
ORIGINAL READ SCAN (ODD PAGE)
ST14
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST15
READ OUT IMAGE DATA FROM PAGE MEMORY WITHOUT ROTATION
ST16
PRINT ON OBVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST17
ORIGINAL READ SCAN (EVEN PAGE)
ST18
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST19
READ OUT IMAGE DATA FROM PAGE MEMORY THROUGH 180° ROTATION
ST20
PRINT ON REVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST21
IS ORIGINAL PRESENT ON ADF?
NO
YES
END

FIG. 6

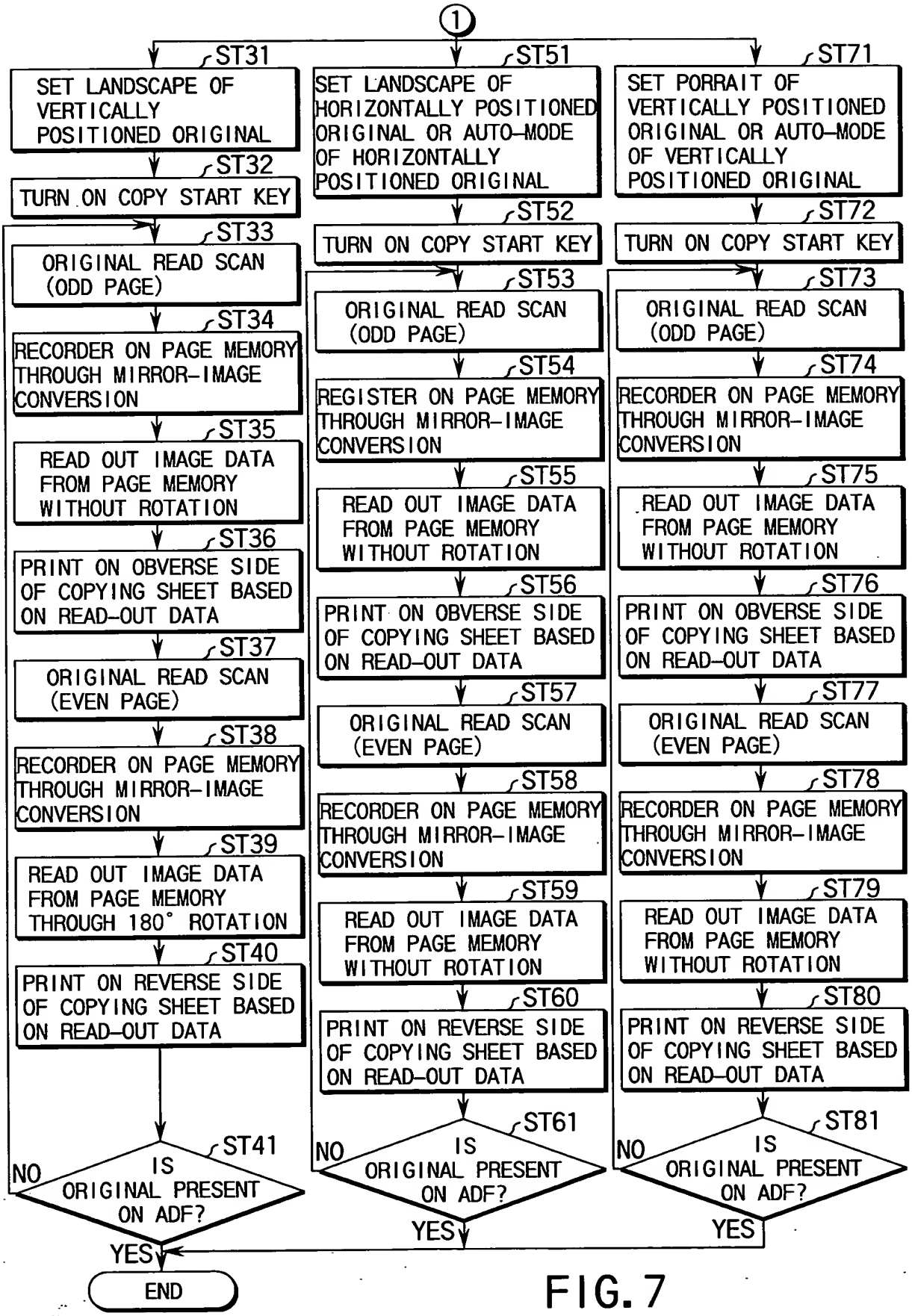

①
ST31
SET LANDSCAPE OF VERTICALLY POSITIONED ORIGINAL
ST32
TURN ON COPY START KEY
ST33
ORIGINAL READ SCAN (ODD PAGE)
ST34
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST35
READ OUT IMAGE DATA FROM PAGE MEMORY WITHOUT ROTATION
ST36
PRINT ON OBVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST37
ORIGINAL READ SCAN (EVEN PAGE)
ST38
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST39
READ OUT IMAGE DATA FROM PAGE MEMORY THROUGH 180° ROTATION
ST40
PRINT ON REVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST41
NO
IS ORIGINAL PRESENT ON ADF?
YES
END
ST51
SET LANDSCAPE OF HORIZONTALLY POSITIONED ORIGINAL OR AUTO-MODE OF HORIZONTALLY POSITIONED ORIGINAL
ST52
TURN ON COPY START KEY
ST53
ORIGINAL READ SCAN (ODD PAGE)
ST54
REGISTER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST55
READ OUT IMAGE DATA FROM PAGE MEMORY WITHOUT ROTATION
ST56
PRINT ON OBVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST57
ORIGINAL READ SCAN (EVEN PAGE)
ST58
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST59
READ OUT IMAGE DATA FROM PAGE MEMORY WITHOUT ROTATION
ST60
PRINT ON REVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST61
NO
IS ORIGINAL PRESENT ON ADF?
YES
ST71
SET PORRAIT OF VERTICALLY POSITIONED ORIGINAL OR AUTO-MODE OF VERTICALLY POSITIONED ORIGINAL
ST72
TURN ON COPY START KEY
ST73
ORIGINAL READ SCAN (ODD PAGE)
ST74
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST75
READ OUT IMAGE DATA FROM PAGE MEMORY WITHOUT ROTATION
ST76
PRINT ON OBVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST77
ORIGINAL READ SCAN (EVEN PAGE)
ST78
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST79
READ OUT IMAGE DATA FROM PAGE MEMORY WITHOUT ROTATION
ST80
PRINT ON REVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST81
NO
IS ORIGINAL PRESENT ON ADF?
YES

FIG. 7

FIG. 8A

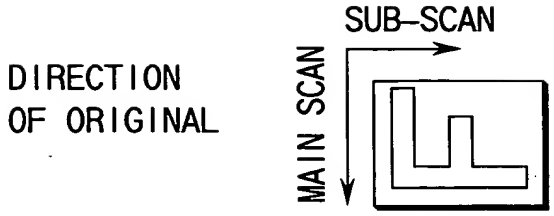


FIG. 8B

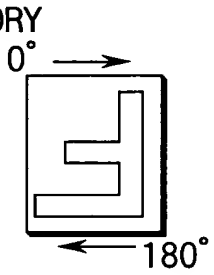


FIG. 8C

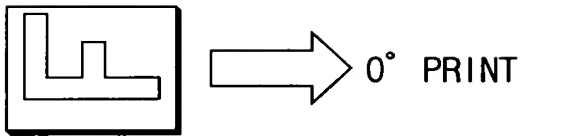


FIG. 8D

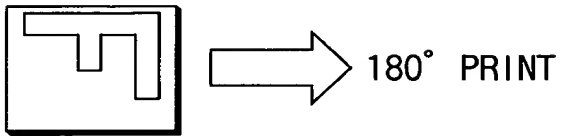


FIG. 8E

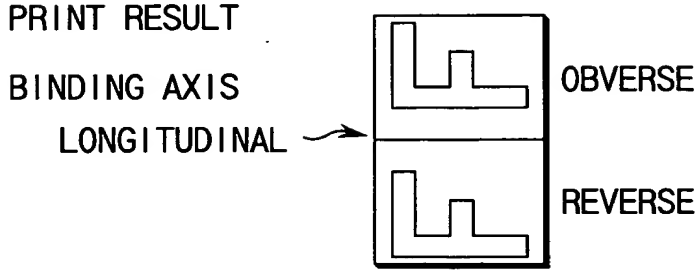


FIG. 9A

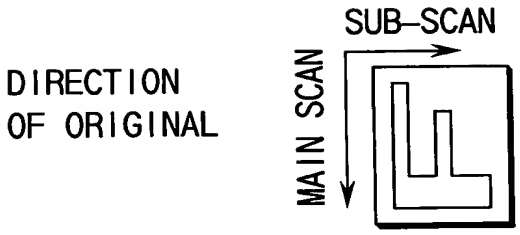


FIG. 9B

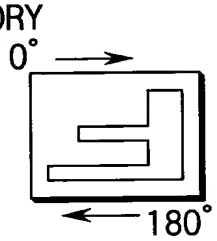


FIG. 9C

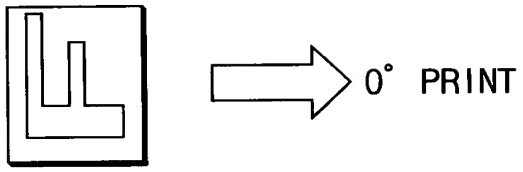


FIG. 9D

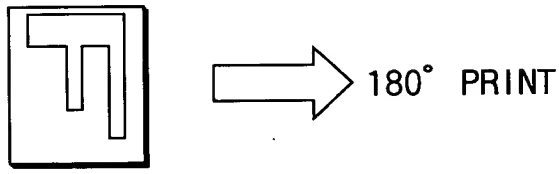


FIG. 9E

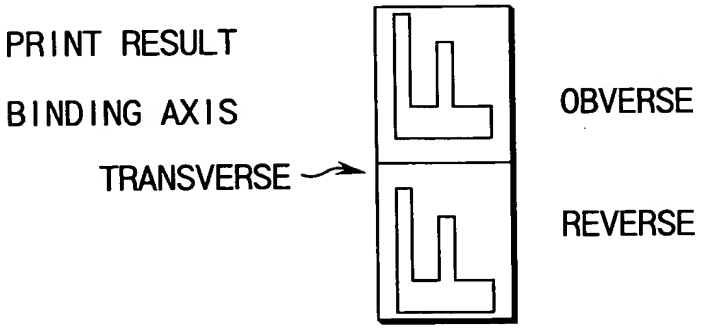


FIG. 10A

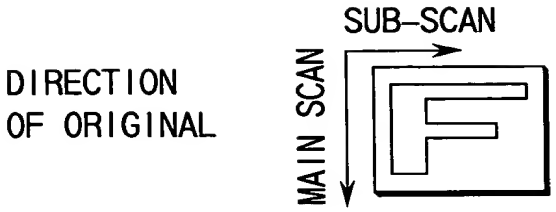


FIG. 10B

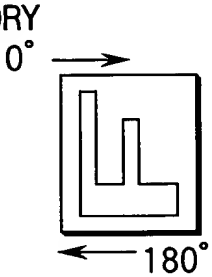


FIG. 10C

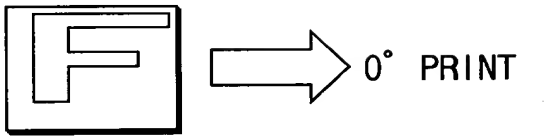


FIG. 10D

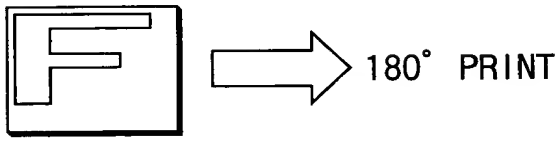


FIG. 10E

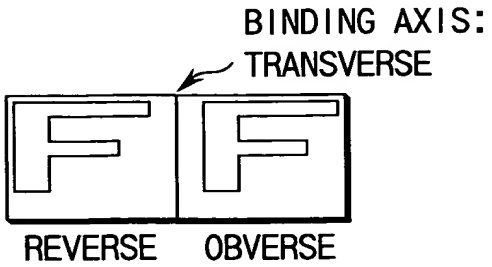


FIG. 11A

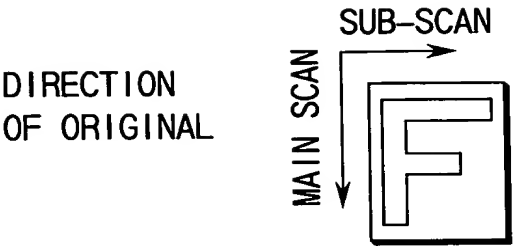


FIG. 11B

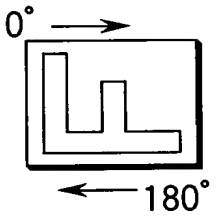


FIG. 11C

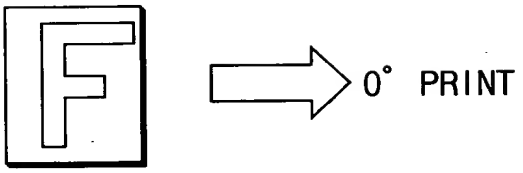


FIG. 11D

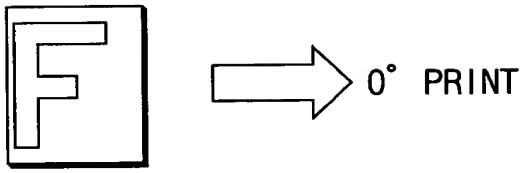
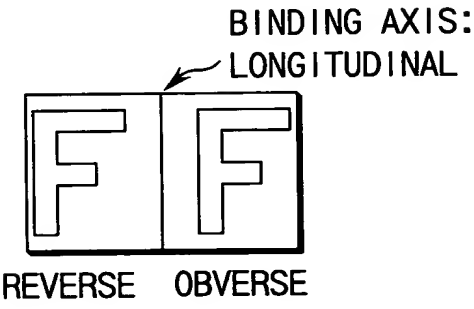


FIG. 11E



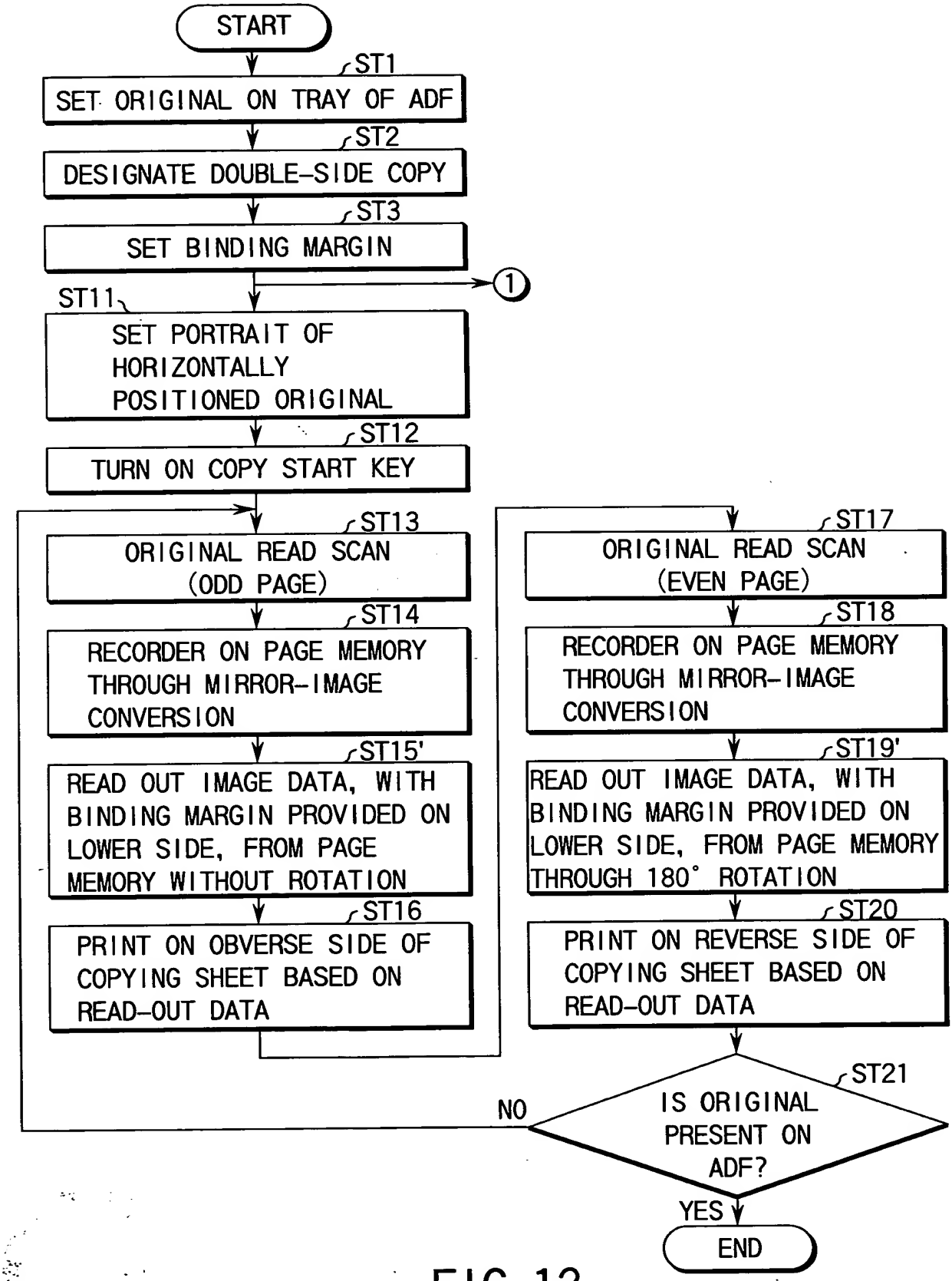

START
ST1
SET ORIGINAL ON TRAY OF ADF
ST2
DESIGNATE DOUBLE-SIDE COPY
ST3
SET BINDING MARGIN
1
ST11
SET PORTRAIT OF HORIZONTALLY POSITIONED ORIGINAL
ST12
TURN ON COPY START KEY
ST13
ORIGINAL READ SCAN (ODD PAGE)
ST14
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST15'
READ OUT IMAGE DATA, WITH BINDING MARGIN PROVIDED ON LOWER SIDE, FROM PAGE MEMORY WITHOUT ROTATION
ST16
PRINT ON OBVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST17
ORIGINAL READ SCAN (EVEN PAGE)
ST18
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST19'
READ OUT IMAGE DATA, WITH BINDING MARGIN PROVIDED ON LOWER SIDE, FROM PAGE MEMORY THROUGH 180° ROTATION
ST20
PRINT ON REVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST21
IS ORIGINAL PRESENT ON ADF?
NO
YES
END

FIG. 12

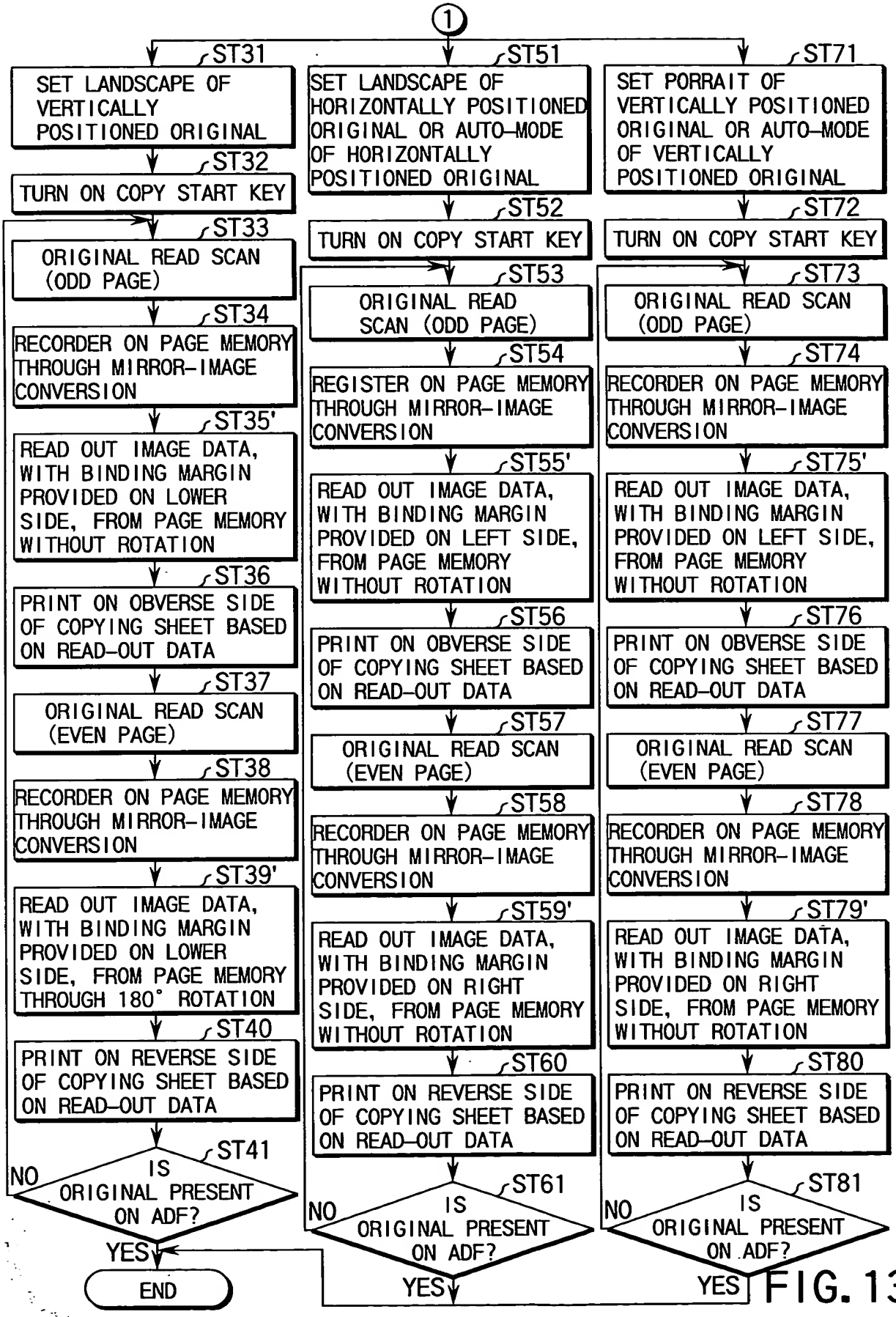

①
ST31
SET LANDSCAPE OF VERTICALLY POSITIONED ORIGINAL
ST32
TURN ON COPY START KEY
ST33
ORIGINAL READ SCAN (ODD PAGE)
ST34
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST35'
READ OUT IMAGE DATA, WITH BINDING MARGIN PROVIDED ON LOWER SIDE, FROM PAGE MEMORY WITHOUT ROTATION
ST36
PRINT ON OBVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST37
ORIGINAL READ SCAN (EVEN PAGE)
ST38
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST39'
READ OUT IMAGE DATA, WITH BINDING MARGIN PROVIDED ON LOWER SIDE, FROM PAGE MEMORY THROUGH 180° ROTATION
ST40
PRINT ON REVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST41
IS ORIGINAL PRESENT ON ADF?
NO
YES
END
ST51
SET LANDSCAPE OF HORIZONTALLY POSITIONED ORIGINAL OR AUTO-MODE OF HORIZONTALLY POSITIONED ORIGINAL
ST52
TURN ON COPY START KEY
ST53
ORIGINAL READ SCAN (ODD PAGE)
ST54
REGISTER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST55'
READ OUT IMAGE DATA, WITH BINDING MARGIN PROVIDED ON LEFT SIDE, FROM PAGE MEMORY WITHOUT ROTATION
ST56
PRINT ON OBVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST57
ORIGINAL READ SCAN (EVEN PAGE)
ST58
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST59'
READ OUT IMAGE DATA, WITH BINDING MARGIN PROVIDED ON RIGHT SIDE, FROM PAGE MEMORY WITHOUT ROTATION
ST60
PRINT ON REVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST61
IS ORIGINAL PRESENT ON ADF?
NO
YES
ST71
SET PORRAIT OF VERTICALLY POSITIONED ORIGINAL OR AUTO-MODE OF VERTICALLY POSITIONED ORIGINAL
ST72
TURN ON COPY START KEY
ST73
ORIGINAL READ SCAN (ODD PAGE)
ST74
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST75'
READ OUT IMAGE DATA, WITH BINDING MARGIN PROVIDED ON LEFT SIDE, FROM PAGE MEMORY WITHOUT ROTATION
ST76
PRINT ON OBVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST77
ORIGINAL READ SCAN (EVEN PAGE)
ST78
RECORDER ON PAGE MEMORY THROUGH MIRROR-IMAGE CONVERSION
ST79'
READ OUT IMAGE DATA, WITH BINDING MARGIN PROVIDED ON RIGHT SIDE, FROM PAGE MEMORY WITHOUT ROTATION
ST80
PRINT ON REVERSE SIDE OF COPYING SHEET BASED ON READ-OUT DATA
ST81
IS ORIGINAL PRESENT ON ADF?
NO
YES

FIG. 13

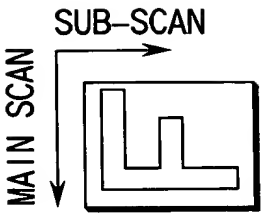


FIG. 14A

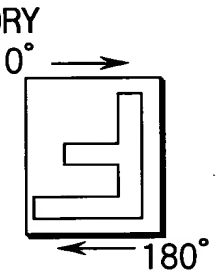


FIG. 14B

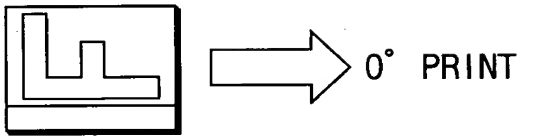


FIG. 14C

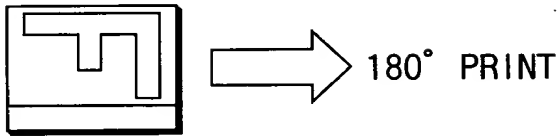


FIG. 14D

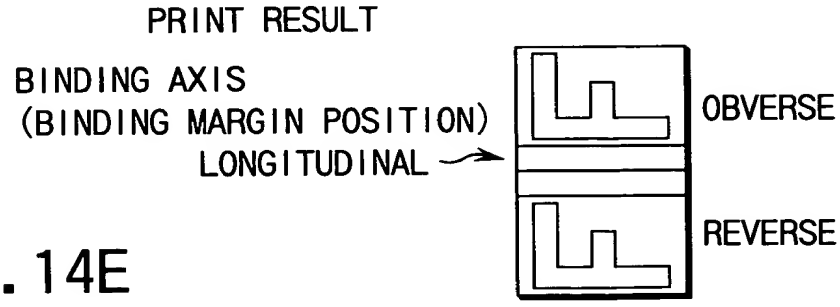


FIG. 14E

FIG. 15A

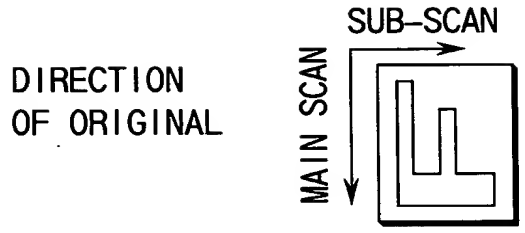


FIG. 15B

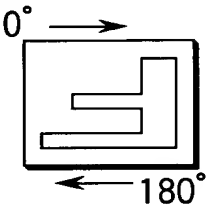


FIG. 15C

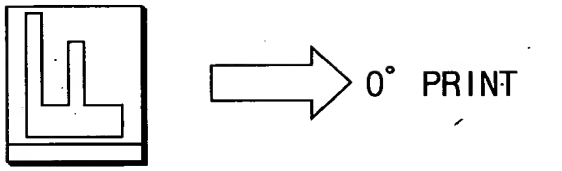


FIG. 15D

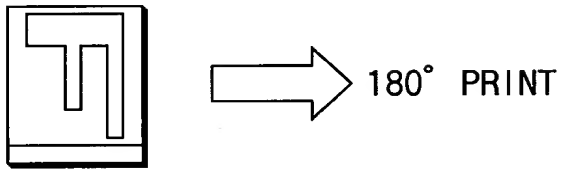


FIG. 15E

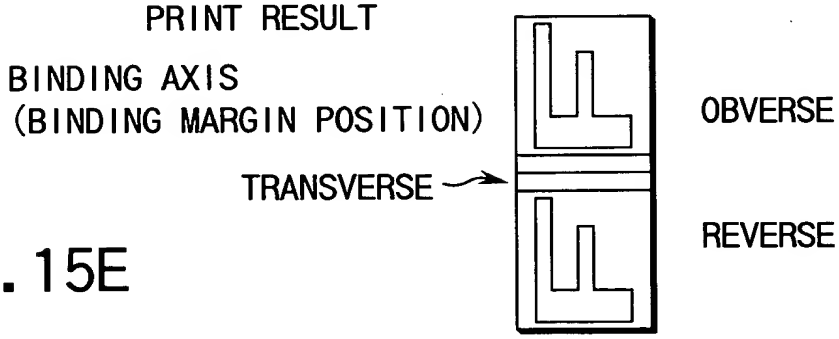


FIG. 16A

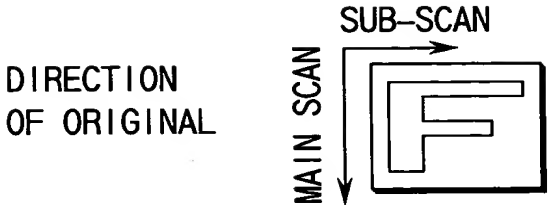


FIG. 16B

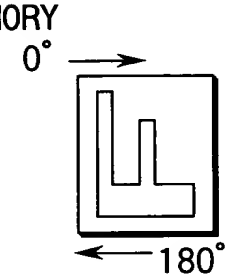


FIG. 16C

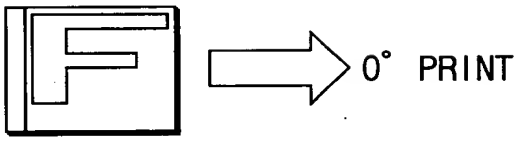


FIG. 16D

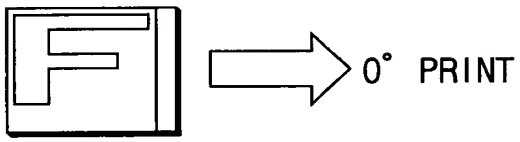


FIG. 16E

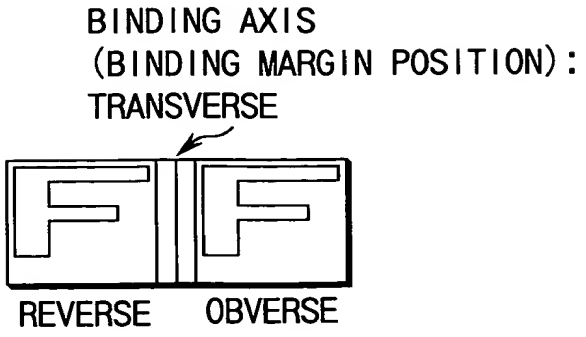


FIG. 17A

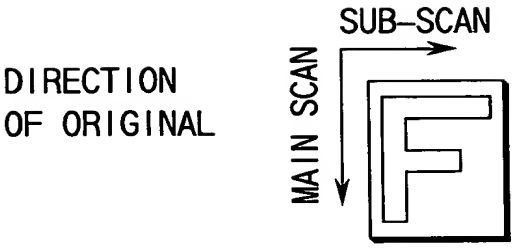


FIG. 17B

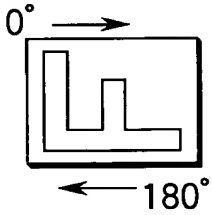


FIG. 17C

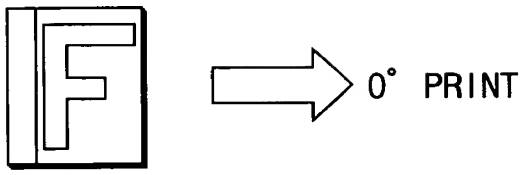


FIG. 17D

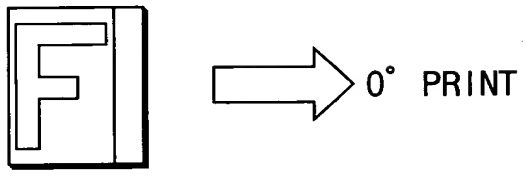
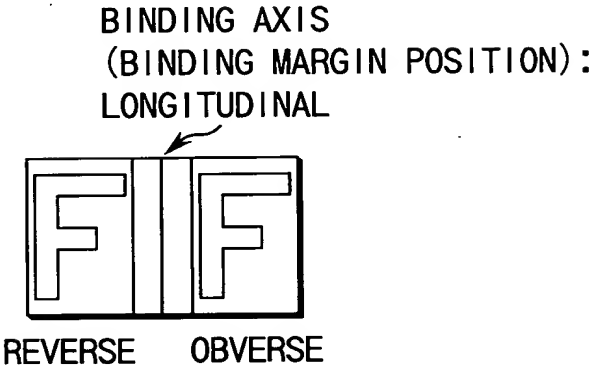



FIG. 17E